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Dkt 7164.01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Henderson et al.

Serial No.: 09/574,519

Group Art Unit: 1655

Filed: May 18, 2000

Examiner: J. Fredman

Title: Method and Apparatus for Solid State Molecular Analysis

AMENDMENT AND RESPONSE

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

The following amendments and remarks are submitted in response to the Office Action mailed on April 16, 2001.

IN THE CLAIMS

*Sub*  
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Please amend the claims as follows

56. (Amended) A molecular array for characterizing molecular interaction events, comprising:  
(a) a surface; and  
(b) at least one molecular deposition domain on said surface wherein the spatial address of the domain is less than one micron in area and each domain includes at least two biologically or chemically based molecules.

Please delete claim 64 and add new claims 67-75.

67. (New) The molecular array of claim 56 wherein the deposition material is a protein.

I hereby certify that this document is being sent via First Class U. S. mail addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this 12<sup>th</sup> day of June, 2001.

Molly Chlebeck  
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